



Ø BEAT



COLO. SPRINGS,
COLORADO

O C T O B E R 1 9 7 8

MEETING NOTICE: The Pikes Peak Radio Amateur Association will meet this month on October 11 at 7:30 pm at the Security Savings and Loan Association Building, East Platte at Union. Anyone interested in amateur radio is invited to attend. Election of club officers will take place, and all members are encouraged to participate in this.

CHEYENNE MOUNTAIN SWAP FEST: See enclosed flyer.

BOULDER SWAP FEST: (Boulder Amateur Radio Club). At the Boulder Armory, 4750 N. Broadway, starting at 9 am. (from BARC'S BARK via Boulder QSP) (Oh--it's October 29.)

SPEAKING OF ELECTIONS, and hoping you will have time to glance at this before the meeting (since I'm running later than my usual lateness) the club Nominating Committee is making these nominations for club officers: Dave Vierling NØDV for President; Art Mayer WAØAEH for Vice-President; Dave Riese WBØSDW for Treasurer; and for the office of Secretary, the delegate from the Green Mountain Radio Society, Lorna Schlueter WDØBTF. Nominations will be accepted from the floor, of course, but the person nominated must be there to accept or have the chance to reject the nomination, unless he has expressed his/her willingness to serve to a board member. And if the board needs to be brought up to eight members following the officer elections, the Nomination Committee suggests the following: Freiler WBØPAJ, and Andy Bistline, WBØZSL.

THE NEW SCM IS ONE OF US. Club member Bob Poirier KØDJ has taken over for Clyde Penney WAØHLQ as the Section Communications Manager for Colorado. It's a big job, involving appointing people as Section and local Emergency Coordinators, awarding and monitoring ARRL station appointments (OPS, ORS, OBS, OO, etc.), and basically keeping tabs on all the public service ham radio activity in the state. Bob is no newcomer to ham radio, and I don't think he's ever not been heavily involved in public service. He and Mike KØTER were responsible for my upbringing in the traffic field and did an excellent job, considering what they had (or didn't have) to work with. Let's give Bob all the help we can, mainly by providing friendly input to help him be tuned in to the activity around the state. Anything we hear from around the state regarding public service and hamming in general will help him do a job that will benefit all of us. So pass it on (as friends). He's only a local call away.

P P R A A D I R E C T O R S

| | | |
|--------------|--|----------|
| PRESIDENT | Ray Uberecken AAØL, 9635 Thoroughbred (Blk Forest) | 495-3544 |
| VICE-PRES. | Doug Moloney WBØMHP, 3817 Vaquero Cir So | 599-9605 |
| SECRETARY | Gordon Denno WBØTIC, 4718 El Camino | 598-0408 |
| TREASURER | Dick Schlueter WBØPNX, Box 38 Grn Mtn Falls 80819 | 684-2153 |
| Board Member | Dick Cohen K6DBR, 4965 Brown Valley Lane | 599-5645 |
| Board Member | Dave Allen WBØTAQ, 821 N. Cascade | 471-0642 |
| Board Member | Mike Stansberry KØTER, 2732 E. Monument | 475-8650 |
| Board Member | Oak Stockton KØROL, 2023 Essex Lane | 596-1395 |

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Assn Inc, Colorado Springs, CO. Permission is granted to reprint articles or excerpts provided full credit is given.

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|-------------------|--------------------------|
| <u>Editor:</u> | <u>Business Manager:</u> |
| Dave Allen WBØTAQ | Ed Pompea KØZPG |
| 821 N. Cascade | 2111 Trent Ave. |
| Co Spgs, CO 80903 | Co Spgs, CO 80909 |
| 471-0642 | 635-7554 |



The PPRAA meets at 7:30pm on the Second Wednesday of each month in the Security Savings and Loan Building, East Platte at Union Blvd.

THE ABOVE LIST SUBJECT TO CHANGE AT THIS MONTH'S MEETING...

SEPTEMBER MINUTES: AAØL Ray Uberecken opened the September meeting of the PPRAA at 7:35 pm at Security Savings and Loan. Membership and guest introductions followed. Approximately 65 hams were present [plus 3 pork chops and several wild geese]. The August minutes were approved as printed in Zero Beat [proving no one actually read them]. WBØPNX Dick Schlueter stated the treasury balance was \$469.74 [he blew a clutch and a tire on the way to Acapulco and didn't make it].

COMMITTEE REPORTS: Pikes Peak Motorcycle Riders Enduro--NØDV indicated the trail this year would be 110 miles. Over 400 entrants were expected. PPRAA provided hams for communications. PR--WBØMHP Doug Moloney requested hams to provide communications for the Volksmarches at Ft. Carson on Sept 30, Oct 1, Oct 7, and Oct 14. EDUCATION--MHP Novice classes would begin Sept 19 at North Jr High and run for six weeks only. Upon completion, the upgrading classes would begin so novices could continue on into the upgrade classes. MISC--MHP A watch would be raffled at the annual Christmas party. Chances are \$1, or six for \$5. WBOSDW Dave Riese is the watch raffle chairman. The watch was donated by ABØF Bob Keller. Thanks, Bob. RFI--AAØL Ray Uberecken reported the resolution of several complaints in expensive stereo systems. He said the committee would work on a large non-ham complaint. Possible pulsed radar. CCARC--WØRNT Chuck Myers. The October CCARC meeting would be in Denver.

No Unfinished business. Possible new novice band privileges were generally discussed. It was brought up that a proposal was going into ARRL that novices be given phone privileges on 220 Mhz. No conclusions. AAØL summarized the Leadfoot Corvette Races south of Colorado Springs. AAØL, KØTER, NØDV, and WBØTIC provided communications. [You sure that isn't Leadfoot??] Zero Beat mailing list is being updated. Please get all changes to WBØTAQ or WBØTIC or WBØPNX. WØRNT Chuck Myers was asked to look into a place for the Christmas Party. [He's looked into several, and isn't sober yet. --Oooo. Sorry Chuck.] CMARC Swap Fest Oct 15 at Reserve Armory off I-25. (Continued forthwith on the proximate page.)

MINUTES Con'd: AAØL indicated the Central States VHF Society Convention would be held in Colorado Springs in 1980. [PS--That's no backyard deal, and will be a really neat event for all who can be involved with Ray in it.] October is club elections again. See Sept and Oct Zero Beats for details.

AAØL and WBØMHP presented a basic and understandable program on RTTY. Meeting adjourned at 10 pm.

Gordon Denno WBØTIC,
Secretary

CLASSES for novices are underway at North Jr. High. They will end and upgrading classes start on November 7. Hmm. Maybe we should have two levels of upgrading classes. Let us know your needs/desires.

TAQ, Ed. Committee

HAMS AID MAST LANDING On September 24 bad luck fell on one of the motor-

cycle enduro riders when a broken leg downed him between checkpoints two and three during the Pikes Peak Motorcycle Riders Assn enduro.

The accident occurred in an area accessible only by motorcycle, helicopter, or on foot. A blanket was sent in from checkpoint two by motorcycle, and about an hour later a doctor arrived at the scene, also by cycle. Communication with the scene was word of mouth via the cycle riders.

Dave Vierling NØDV left checkpoint three and rode to the scene, but since he had been unable to locate an HT to take with him, he returned to the checkpoint where a radio was set up to coordinate the MAST rescue.

Efforts to find the accident scene from the air started looking hopeless since there was no direct communication at the scene. Mike Stansberry KØTER, completing his checkpoint assignment, was then taken by motorcycle to the scene, equipped with his HT.

Doug Moloney WBØMHP and Dave NØDV proceeded to the nearest road to the scene to relay for Mike, and Hal Etheridge WBØRER and Gordy Denno WBØTIC proceeded to the Teller County Sheriff's Office to provide a link between the ham radio at the scene and the SAR radio aboard the MAST chopper. This accomplished, location and landing instructions could be given. The already two-hour long rescue attempt was soon to be a completed success. From the time Mike KØTER arrived at the scene to the arrival of MAST at Penrose Community Hospital, only 40 minutes passed, thus ending a six-hour wait by the downed cyclist.

Instructions between the scene of the accident and the hospital were also relayed by amateur radio through Mike, Doug, Hal, and Gordy.

Doug Moloney, WBØMHP

A TRUE STORY: An Ohio ham was off in the boonies with his wife demonstrating how far his 2-meter rig would reach. [Don't ask me why he was off in the boonies with his wife and wasting his time on two meters.] He pointed out that if he had forty meters he could talk to hams much farther away.

"Well," came the response, "if you can talk farther away just by having forty meters on your radio, go ahead and buy yourself a radio with that many meters!"

TNX, Lake Erie AMA

A.E.S. Communications

404 Arrawanna
Colo. Springs, Colo. 80909

475-7050

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RTTY JOURNAL has recently published the second edition of "The Beginners RTTY Handbook." If you are interested in getting started on RTTY this is the best information source book. The price is \$4.50--RTTY Journal, P O Box RY, Cardiff by the Sea, CA 92007. Also, Denver simplex RTTY is on 147.570 MHz if anybody is beaming up that far.

TNX, Rocky Mtn Radio League QRZ

TWO-METER TRACKING SYSTEM KEEPS TABS ON 94D Another summer has passed and the Pikes Peak Motorcycle Riders Association held its fall enduro with the PPRAA amateurs again providing communication at the starting line, finish, and at every checkpoint. Our very own President Ray AAØL was a contestant, much to the joy (enjoyment) of the members. Ray, with new nicknames based on his cycling endeavor, donned the racing number 94D and proceeded to ride the 110-mile course. Ray also added excitement for the 14 hams providing communication in the form of "Will he or won't he?" Well, he did! (finish, that is).

The communications system was headed up by the net control station at the gas stop, peopled by the Green Mtn Falls Radio Society--Dick WBØPNX, Lorna WDØBTF, Kim WBØUWU, and Susie WDØFXR. Another busy spot was the starting point, the rodeo grounds in Woodland Park, where Chuck WØRNT was liaison to the enduro officials, coordinating the broken bikes and emergency communications. Mark WBØTLQ had his hands full with his ten-watt walking station complete with large batteries, antenna, and rig, and provided comm with checkpoint one at the start of the day and eight until all riders had finished.

Dennis WBØYKH manned checkpoint two. Here was one of the busier spots due to the rider's broken leg (see MAST article), and one of the more entertaining, since Dennis was the first ham to see the riders after their bout with "Mudhole Number One." Doug WBØMHP was at checkpoint three with two meters and a PA system. Since that checkpoint was the tie-breaker, each rider's time had to be recorded and the PA system made this possible as the cyclists roared through. Mike KØTER, with strong batteries and strong feet manned the inaccessible checkpoint four, after having also put up the HQ antenna at the rodeo grounds.

Checkpoint five was handled by Dave WBØSDW and XYL Dona KAØAFU, taking care of a rider with a broken shoulder. Jerry WBØHZG and Carl WBØYEO were on hand at checkpoint six. Al WBØILL (now ADØ?) was at checkpoint seven, where part of his task was to confirm that each rider had passed through "Mud Hole Number Two." The riders, however, showed ample evidence of this and the real job was identifying them. Gordy WBØTIC was on hand providing his expert first aid knowledge, and Hal WBØRER was also on hand, helping with the MAST rescue.

The whole comm system was headed by Dave NODV, a member of both the PPRAA and PPMRA. He said this year's enduro was better than last year's, and next year's will be better yet [maybe they're going to add another mud hole?]. And as for 94D, he will "ride again."

Doug Moloney WBØMHP

TWO RFI BOOKLETS written for technicians are being offered free by the EIA. The TVI booklet is 40 pages and one on audio rectification is 14 pages. Send requests to the Consumer Electronics Group EIA, 2001 Eye St NW, Washington, DC 20006.

fm HR Report via Boulder QSP

SWAP FEST

OCT 15

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146.010/146.610
Boulder.....WR0AGH
Vail Peak.....WB0SHR
Lamar.....WR0AKG

146.025/146.625
Ft Collins.....WR0APA

146.040/146.640
Denver.....WR0ACM
Cheyenne, WY.....WR7ACZ
Kimball, NE.....WR0AEA
Grand Junction.....WR0AFC
South Fork.....WR0AHP
Springfield.....WR0AMH

146.055/146.655

146.070/146.670
Denver.....WR0ADO
McCook, NE.....WR0ALY
Glenwood Spgs.....WR0ANT
Durango.....WR0AOA

146.085/146.685

146.100/146.700
Boulder.....WR0AQK
La Junta.....W00I1

146.115/146.715

146.130/146.730
Boulder.....WR0ADA
Walsenburg.....WR0ARW

146.145/146.745

146.160/146.760
Boulder.....WR0ADA
Ogallala, NE.....WR0ADL
Colorado Spgs.....WR0ARI
Brewster, KS.....WR0AHB
Lead, SD.....WR0AHM
Delta.....WR0ART
Rawlins, WY.....WR7AIE
Elkhart, KS.....WR0AJB
Kimball, NE.....WR0AEA
Farmington.....WR5AJR
Moab, UT.....K7QEQ
San Antonio Pk, NM.....WR5ACE

146.175/146.775

146.190/146.790
Black Forest-RTTY..WR0AGN
Wray.....WR0AMC
Dillon.....WR0AMT

146.205/146.805
Aurora.....K0ESG

146.220/146.820
Canon City.....WR0ADN
Laramie, WY.....WR7ADP
Colby, KS.....WR0AGS
Grand Junction.....WR0ARX
Custer, SD.....WR0AHM
Granby.....prop

146.235/146.835

146.250/146.850
Greeley.....WR0ADD
Clayton, NM.....WR5AJB
Sidney, NE.....WR0AMX
Farmington, NM.....WR5AJR

146.265/146.865

146.280/146.880
Denver.....WR0ACL
Laramie Peak, WY...WR7AHT
Beulah.....WR0AJR
Durango.....WR0AME

146.295/146.895

146.310/146.910
GUY HILL-RMRL.....K0ESG
Sterling.....WR0APJ
Garden City, KS...WR0AJE
Craig.....prop
Gunnison.....prop

146.325/146.925

146.340/146.940
SQUAW MTN-RMRL.....WR0ABF
Rapid City, SD.....WR0ABL
Morton, KS.....WR0ACW
Grand Junction.....WR0ACY
Scottsbluff, NE...WR0ACZ
Laramie, WY.....WR7ADK
Pueblo.....WR0ADR
Rock Spgs, WY.....WR7AJT

146.355/146.955

146.370/146.970
Colorado Spgs.....WR0ARG

146.385/146.985
Boulder.....WR0AHF

146.400/147.000
Roosevelt, UT.....WR7AJE

147.600/147.000
Greeley.....K00J
Durango.....WR0AOY

147.615/147.015
Denver.....WR0ARS

147.630/147.030
Colorado Spgs.....WR0AIA
Boulder.....WR0AJG

147.645/147.045
Northglenn.....K0ML

147.660/147.060
Greeley.....WR0AEN
Colorado Spgs.....WR0APR
Limon/Genoa.....W00DGJ
Satana, KS.....W00IE

147.675/147.075

147.090/147.690
Denver.....WR0ADS

147.720/147.120
Cheyenne, WY.....WR7AIF
Aurora.....WR0ASF

147.735/147.135
Colorado Spgs.....W00F00

147.750/147.150
Guy Hill.....WR0AIV

147.765/147.165

147.780/147.180
Boulder.....WR0AFH
Colorado Spgs.....W00RFE

147.795/147.195

147.810/147.210
Denver.....WR0AGL
Steamboat Spgs....prop
Grand Junction....prop

147.825/147.225

147.840/147.240
Denver.....WR0ADK
Ft Morgan.....W00IBS

147.855/147.255
Arvada.....WR0ANW

147.870/147.270
Longmont.....WR0AHG
Colorado Spgs.....WR0AKZ

147.885/147.285

147.900/147.300
Denver-RACES.....WR0ABM

147.915/147.315
Ft Collins.....W00SAY

147.930/147.330
Denver.....WR0AMJ
Lusk, WY.....WR7AOX

147.945/147.345
Colorado Spgs.....WR0APP

147.960/147.360
Denver.....WR0AJ0

147.975/147.375
Denver.....WR0ALS

147.990/147.390
Boulder.....WR0ARA
Colorado Spgs.....WR0ARK

29.560/29.660
Boulder.....WR0ADA

52.170/53.170
Colorado Spgs.....WR0AOM

225

222.340/223.940
AURORA-RMRL.....WR0AOP

222.420/224.020
Boulder.....WR0ADA

223.020/224.620
Boulder.....WR0AFH

223.260/224.860
Boulder.....WR0AQK

223.300/224.900
Aurora.....WR0AQS

223.340/224.940
Ft Collins.....WR0APA

439.250/427.250
Boulder.....WR0ADA

443.500/448.500
Denver.....WR0ADO

444.200/449.200
Squaw Mtn-RTTY....WR0ACX

444.350/449.350
Squaw Mtn.....WR0ADI

444.450/449.450
SQUAW MTN-RMRL....WR0ABG

444.550/449.550
Boulder.....WR0ADA

444.600/449.600
Denver.....WR0ACM

All corrections or additions
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8 TNY TO:

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■ Rock Springs
34/94

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22/82
28/88
34/94

■ Cheyenne
04/64
72/12

■ Scottsbluff
34/94

■ Kimball
04/64
16/76

■ Sidney
25/85

■ Ogallala
16/76

■ North Platte
34/94

RMRL - September, 1978

■ Roosevelt
40/00

■ Ft Collins
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25/85
915/315

■ Greeley
60/00
66/06

■ Sterling
31/91

■ Longmont
87/27

■ Ft Morgan
84/24

■ Wray
19/79

■ Boulder
01/61 385/985
10/70 63/03
13/73 78/18
16/76 99/39

■ Denver *

■ Limon
66/06

■ Glenwood Springs
07/67

■ Vail
01/61

■ Dillon
19/79

■ Colorado Springs
16/76 735/135
19/79 78/18
37/97 87/27
63/03 945/345
66/06 99/39

■ Brewster
16/76

■ Colby
22/82

ORZ

■ Grand Junction
04/64
22/82
34/94

■ Delta
16/76

■ Moab
16/76

■ Durango
07/67
28/88
60/00

■ South Fork
04/64

■ Pueblo
28/88
34/94

■ La Junta
10/70

■ Walsenburg
13/73

■ Springfield
04/64

■ Lamar
01/61
34/94

■ Garden City
31/91

■ Elkhart
16/76

■ Farmington
16/76
25/85

San Antonio Pk
16/76

■ Clayton
25/85

■ Beaver
66/06

* DENVER

| | | | |
|---------|---------|---------|---------|
| 04/64 | 34/94 | 75/15 | 93/33 |
| 07/67 | 615/015 | 81/21 | 96/36 |
| 205/805 | 645/045 | 84/24 | 975/375 |
| 28/88 | 09/69 | 855/255 | |
| 31/91 | 72/12 | 90/30 | |

■ Amarillo
34/94

NEW FORMAT FOR THE .52 NET: Bruce WBØOFC has written a new format for the Wednesday evening PPRAA net on 146.52. I would like to express my thanks to Bruce, and to print it here in Zero Beat so we will all have a copy for our own use when we take net control.

The format goes: "QST, QST, QST, this is call calling the Pikes Peak Radio Amateur Association Net. My name is _____, and I'm located _____, beaming _____." This net meets most Wednesday evenings on 146.52 MHz FM, 1900 Hours local time. The only exception is the second Wednesday of the month when the Pikes Peak Radio Amateur Association holds its monthly meeting at Security Savings and Loan Building, at Platte and Union, Colorado Springs at 1930 hours local time. The monthly meeting is open to all amateurs and a hearty welcome is hereby extended. All stations are invited to check in and participate in the functions of this net. No club affiliation is required or expected. Although this is a directed net, the operation will be informal and no previous net experience is required. The net will follow the following format: First, emergency traffic; Second, mobile checkins; Third, stations outside of the Colorado Springs/ Pueblo area; Fourth, general checkins; Fifth, announcements; Sixth, formal traffic; Seventh, comments. Informal traffic may be listed for after the net closure. When checking in, please give your name and location and list any traffic. This is call, net control for the Pikes Peak Radio Amateur Association Net, standing by for: Emergency traffic (pause); any relays (pause); Mobile checkins (pause); any relays (pause); Stations outside the Colorado Springs/Pueblo area (pause); any relays (pause); General checkins Alfa through Charlie; relays; Delta through Foxtrot; relays; Golf through India; relays; Juliet through Lima; relays; Mike through Oscar; relays; Papa through Romeo; relays; Sierra through Uniform; relays; Victor through Zulu; relays; late checkins; relays." Then run announcements formal traffic, and comments. "This is call closing the Pikes Peak Radio Amateur Association Net at _____ local time. This evening there were _____ checkins. Thank you. This is call clear."

If it's CW, it's communications.

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THEN THERE ARE NETS that take all of this long to get into full swing: "CQ TWN, TWELFTH REGION NET, TWN, QND, QNN WBØ---, TWN STN FM PAN K" I guess one should try both kinds.

Doug Moloney WBØMHP

TAQI

SB-104 OWNERS: A modification kit is available for a crowbar circuit for the Heathkit Power Supply HP-1144 as used with the SB-104 and HW-104. Best of all, there may be no charge. Request it direct from Heath at Benton Harbor, Mich. Without the kit, overvoltage can destroy up to 55 semiconductors! TNX to Dave Ernest WD8OYO in Lake Erie ARA newsletter

TOUCHTONE TIP: On some radios, TT encoders will not operate a system. This could be due to a small-value capacitor on the audio input to the rig that passes the high tones but attenuates the lower tones because of too little low-frequency response. If a .001 or .0033 (for example) is used at the input, try a .1 uF. If that isn't practical, inject the TT output directly into the audio stage input. TNX AGN Lake Erie ARA

TRY IT, you'll like it. But make sure it's good for you too.
BCNU. TAQii



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OCT 31 OCTOBER 1978

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